



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of : Ming-Qiang ZHANG

Serial No.: 10/730,272

Group Art Unit: Unassigned

Filed: December 9, 2003

Examiner: Unassigned

For: COMPOUNDS AND METHODS FOR THE TREATMENT OR PREVENTION OF
FLAVIIVIRUS INFECTIONS

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR §§ 1.56, 1.97 and 1.98

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

This information disclosure statement is made in accordance with 37 C.F.R. §§ 1.56, 1.97 and 1.98 as follows:

Timing and Fees

- ☒ Under 37 C.F.R. § 1.97(b), no fee or statement is required for filing this information disclosure statement is filed:
- ☐ within three months of the filing date of a national application other than a CPA under § 1.53(d);
 - ☐ within three months of the actual filing date of the national phase of a PCT application; OR
 - ☒ before the mailing of a first substantive office action (including after filing of an RCE).
- ☐ Under 37 C.F.R. § 1.97(c), this information disclosure statement is filed after the periods specified in 37 C.F.R. § 1.97(b), but before the mailing date of:
- ☐ a final rejection under 37 C.F.R. 1.113;
 - ☐ termination of prosecution, e.g. Ex Parte Quayle, M.P.E.P § 609(B)(2); OR
 - ☐ a notice of allowance under 37 C.F.R. § 1.311; and

is accompanied by:

- ☐ the statement as specified in 37 C.F.R. § 1.97(e) set out below; OR
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 - ☐ termination of prosecution, e.g. Ex Parte Quayle, M.P.E.P § 609(B)(2); OR
 - ☐ a notice of allowance under 37 C.F.R. § 1.311;

AND is filed on or before payment of the issue fee; AND is accompanied by:

- ☐ the statement as specified in 37 C.F.R. § 1.97(e) as set forth below, and the fee of \$180.00 under 37 C.F.R. § 1.17(p).

Statements Under 37 C.F.R. 1.97(e)

- ☐ Each item of information contained in this information disclosure statement was a first cited in a communication from a foreign patent office in a counterpart foreign application having a mailing date not more than three months prior to the filing date of this information disclosure statement; or
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and to the knowledge of the undersigned attorney after making reasonable inquiry, no item of information contained in this information disclosure statement was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing date of the information disclosure statement.

Cited Materials

- ☐ Copies of materials listed but not attached were cited in benefit (35 U.S.C. § 120) ancestor application Serial No. _____, on Form 892 by the Examiner and/or Form 1449 by the applicant; see 37 C.F.R. § 1.98(d).
- ☐ Copies of materials listed and/or but not attached were cited in an international search report dated _____.

☒ Copies of the materials listed are attached.

Non-English Language References

- ☐ An English-language search report or equivalent paper from a foreign patent office is provided indicating the relevance of the cited reference(s).
- ☐ A foreign-language search report from a foreign patent office is provided, and pertinent parts are translated substantively below:

X = document of particular relevance when it is taken alone
Y = document of particular relevance when it is combined with another such document
A = document defining the general state of the art
O = non-written disclosure
P = intercalated document
T = document cited to understand the theory or principle underlying the invention
E = patent document which has the benefit of a date earlier than the filing date and which was published only on or after this filing date
D = cited in the application
L = cited for another reason
& = publication of member of same patent family

- ☐ Translation of other relevant information on foreign search report

Other Information

The instant application is related to copending patent applications Serial No. 10/166,031, filed January June 11, 2002, and Serial No. 10/730,273 filed December 9, 2003. Enclosed are copies of documents cited in Serial No. 10/166,031.

Payment of Fees Due (If Any):

- ☐ A check for \$_____ covering the fee identified above is attached.
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☒ The Commissioner is hereby authorized to charge or credit any overpayment to Deposit Account #13-3402, two copies of this paper are attached for this purpose.

Respectfully submitted,



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Attorney Docket No.: PHARMA-144

Date: March 19, 2004

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 2

Complete if Known

Application Number	10/730,272
Filing Date	December 9, 2003
First Named Inventor	Ming-Qiang ZHANG
Group Art Unit	Unassigned
Examiner Name	Unassigned
Attorney Docket Number	PHARMA-144

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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FOREIGN PATENT DOCUMENTS

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		Office No. ³	Number ⁴	Kind Code ⁵ (if known)				
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		DE	199 03 398A			08-10-2000		

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

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		W. Kantlehner et al., J. Prakt. Chem., Vol. 338, 1996, p. 403-413; "Orthoamide, IL. Umsetzungen von Orthoamid-Derivaten mit Schwefel und Selen, Synthesen von 1,3-Thiazol- und 1,3-Selenazolderivaten" ISR ref. XP002220245.	
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Group Art Unit	Unassigned
Examiner Name	Unassigned
Attorney Docket Number	PHARMA-144

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		R.A. Smith et al., Bioorg. Med. Chem. Lett. Vol. 11, No. 20, 2001, p. 2775-2778; "Discovery of Heterocyclic Ureas as a New Class of Raf Kinase Inhibitors: Identification of a Second Generation Lead by a Combinatorial Chemistry Approach", ISR ref. XP001118699.	
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		J.R. Desai et al., J. Inst. Chemists (INDIA) Vol. 67, 1995, p. 136-137, "Thieno[3,2-d]pyrimidines - Part - II: Preparation and Antimicrobial Activity of 2-methyl-3-N-Arylsulphonamido-6-Phenylthieno[3,2-d]Pyrimidin-4(3H)-ones", ISR ref. XP002220249.	
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Examiner Signature		Date Considered	

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